

FIG. 1

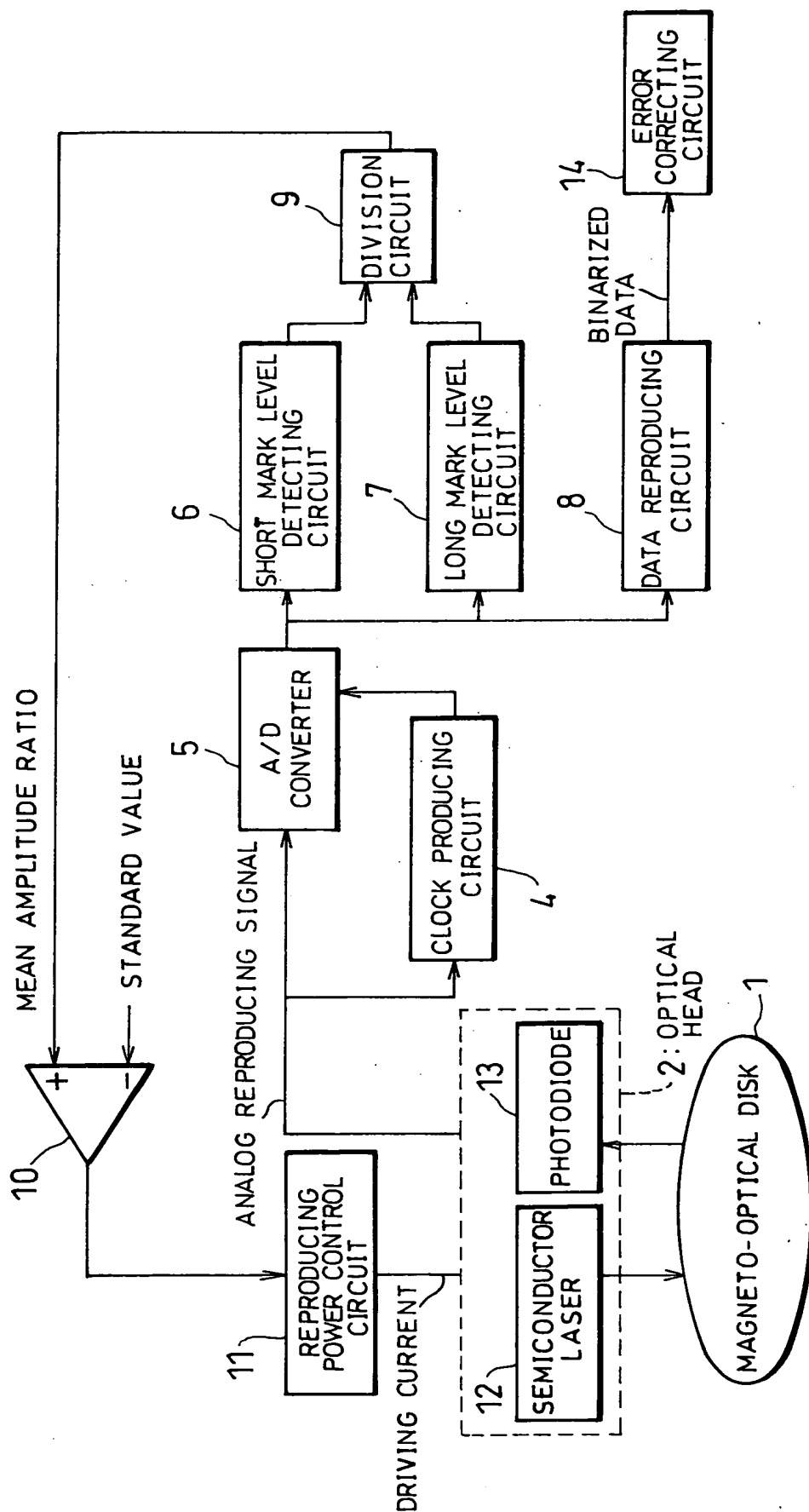


FIG. 2

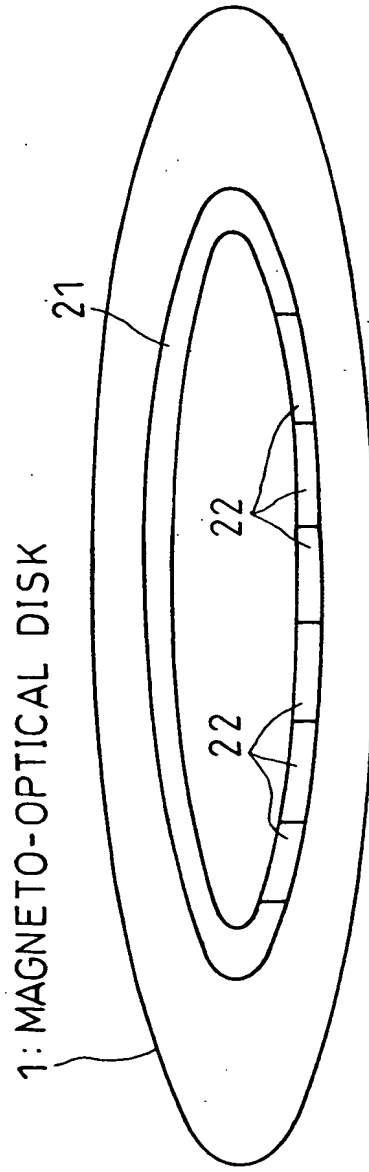


FIG. 3

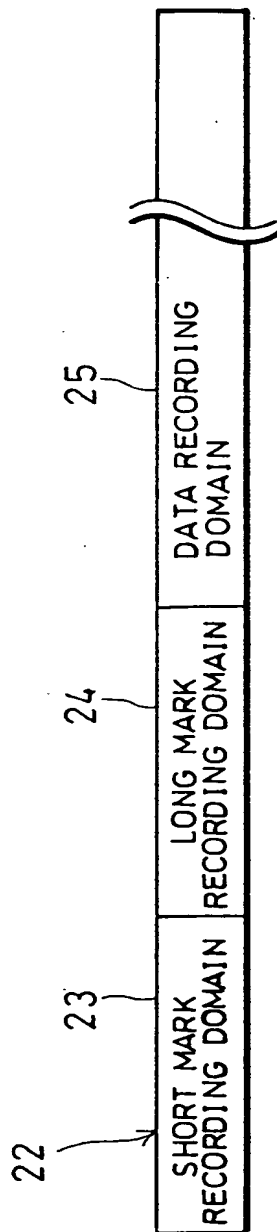


FIG. 4

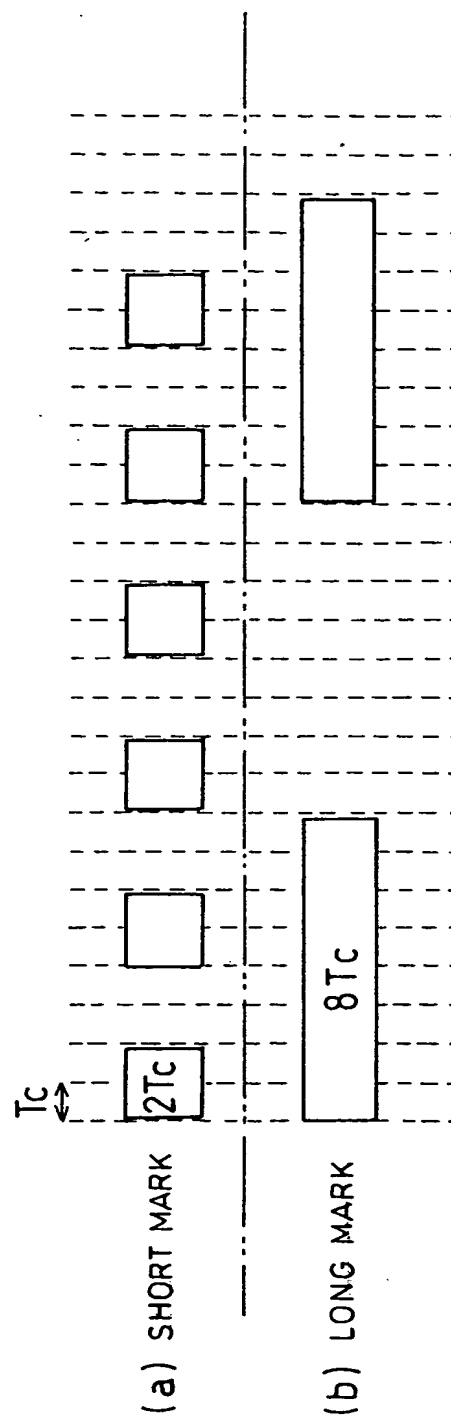


FIG. 5

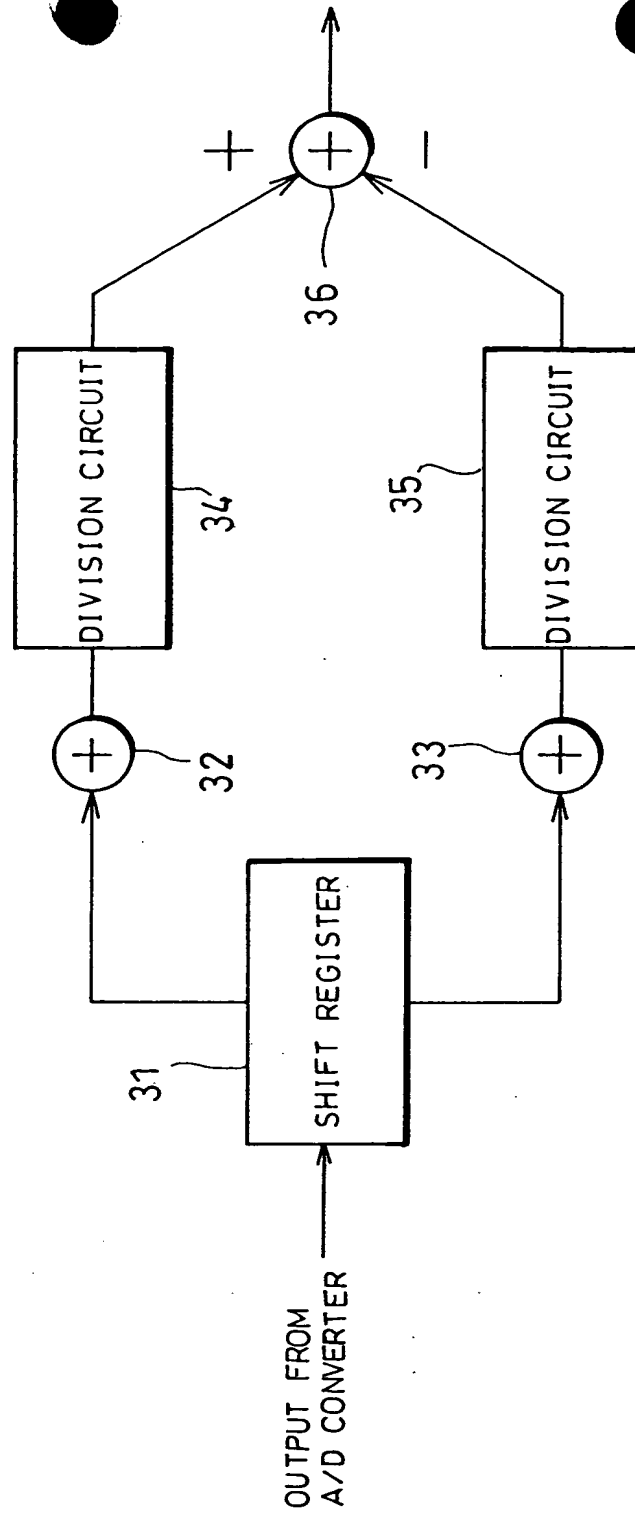


FIG. 6

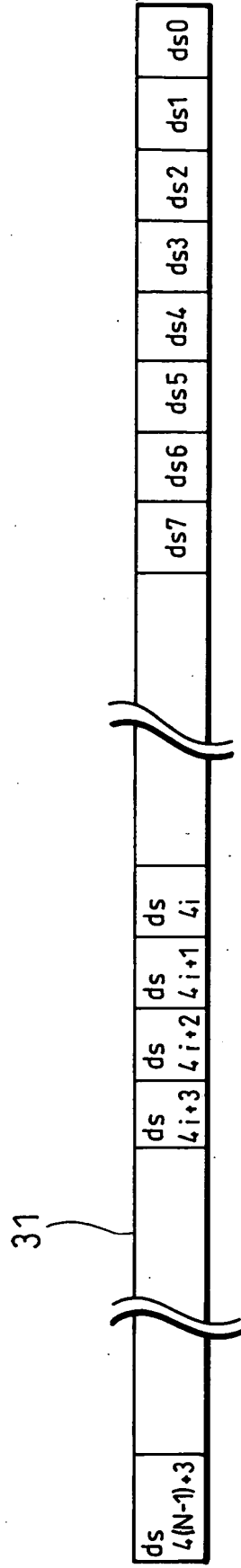


FIG. 7

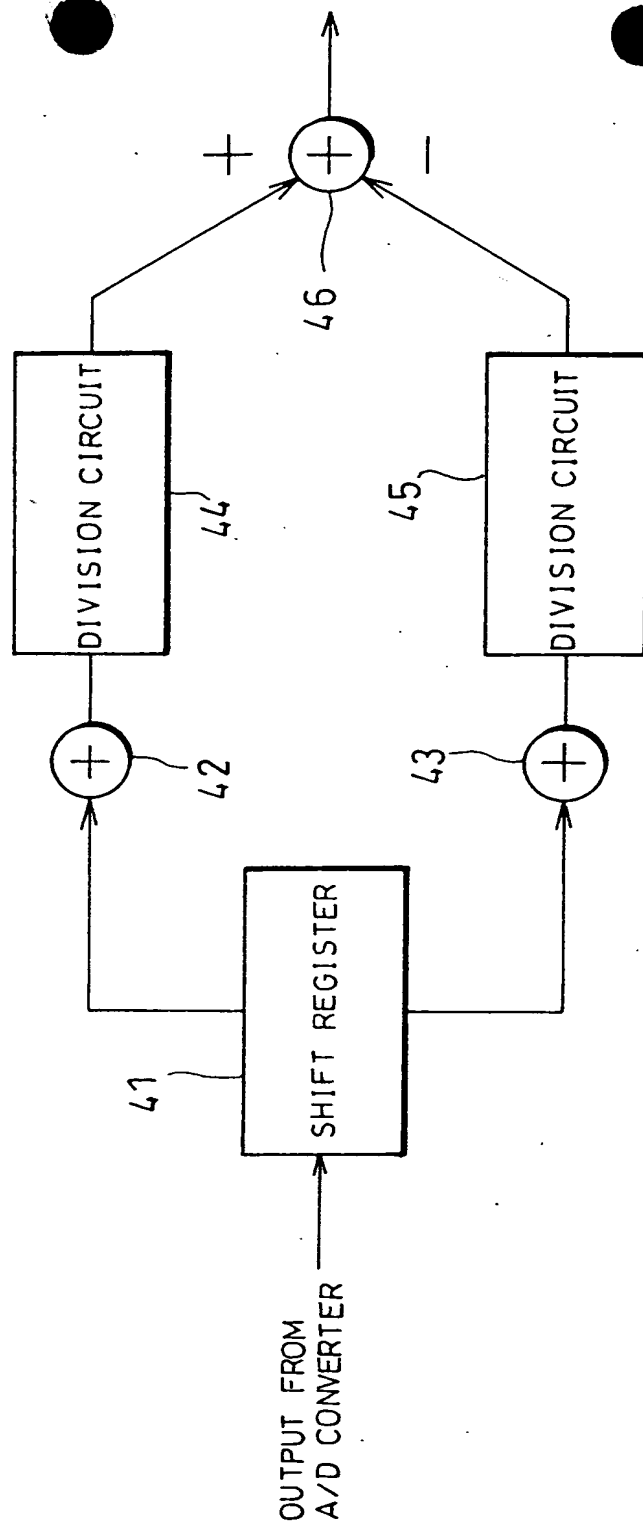
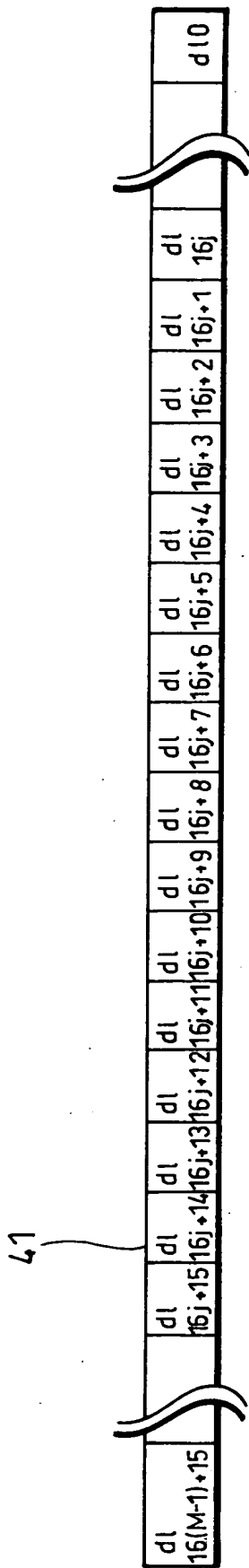
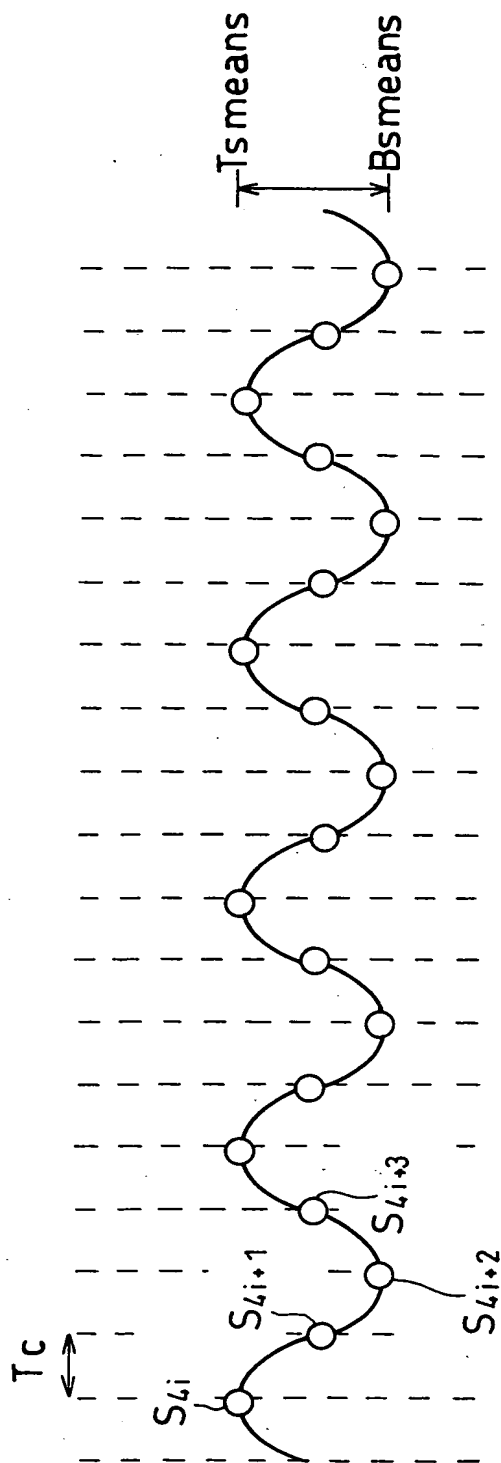


FIG. 8



ANALOG REPRODUCING SIGNAL FROM
SHORT MARK RECORDING DOMAIN

FIG. 9



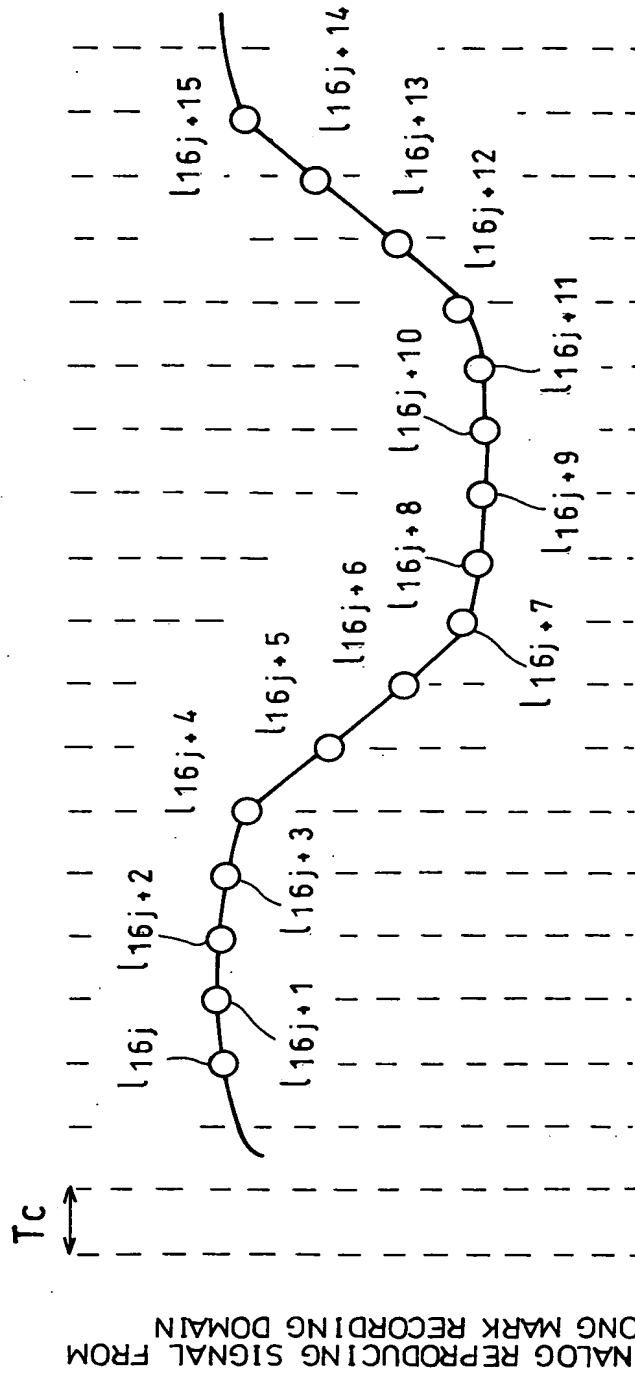


FIG.10

FIG. 11

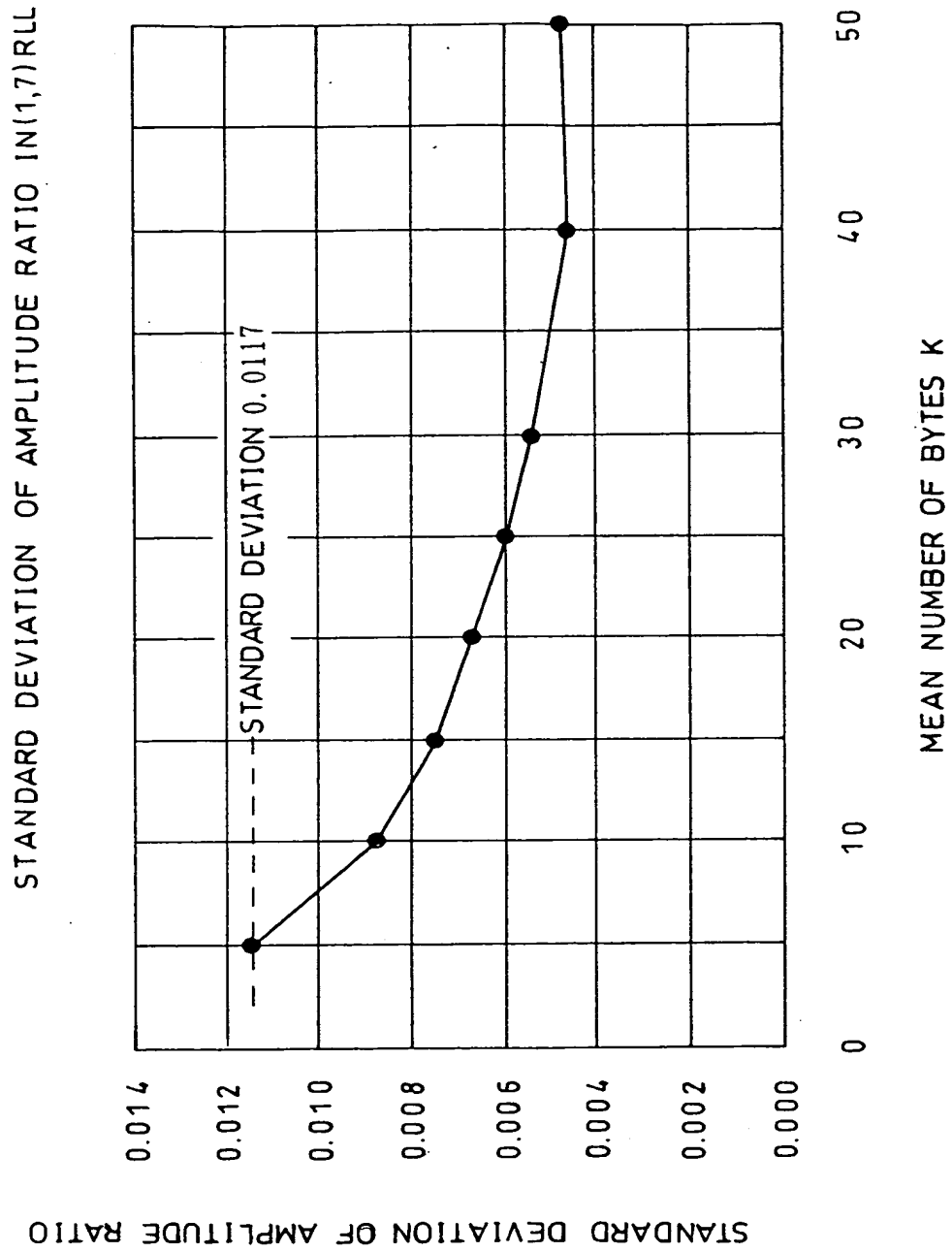


FIG.12

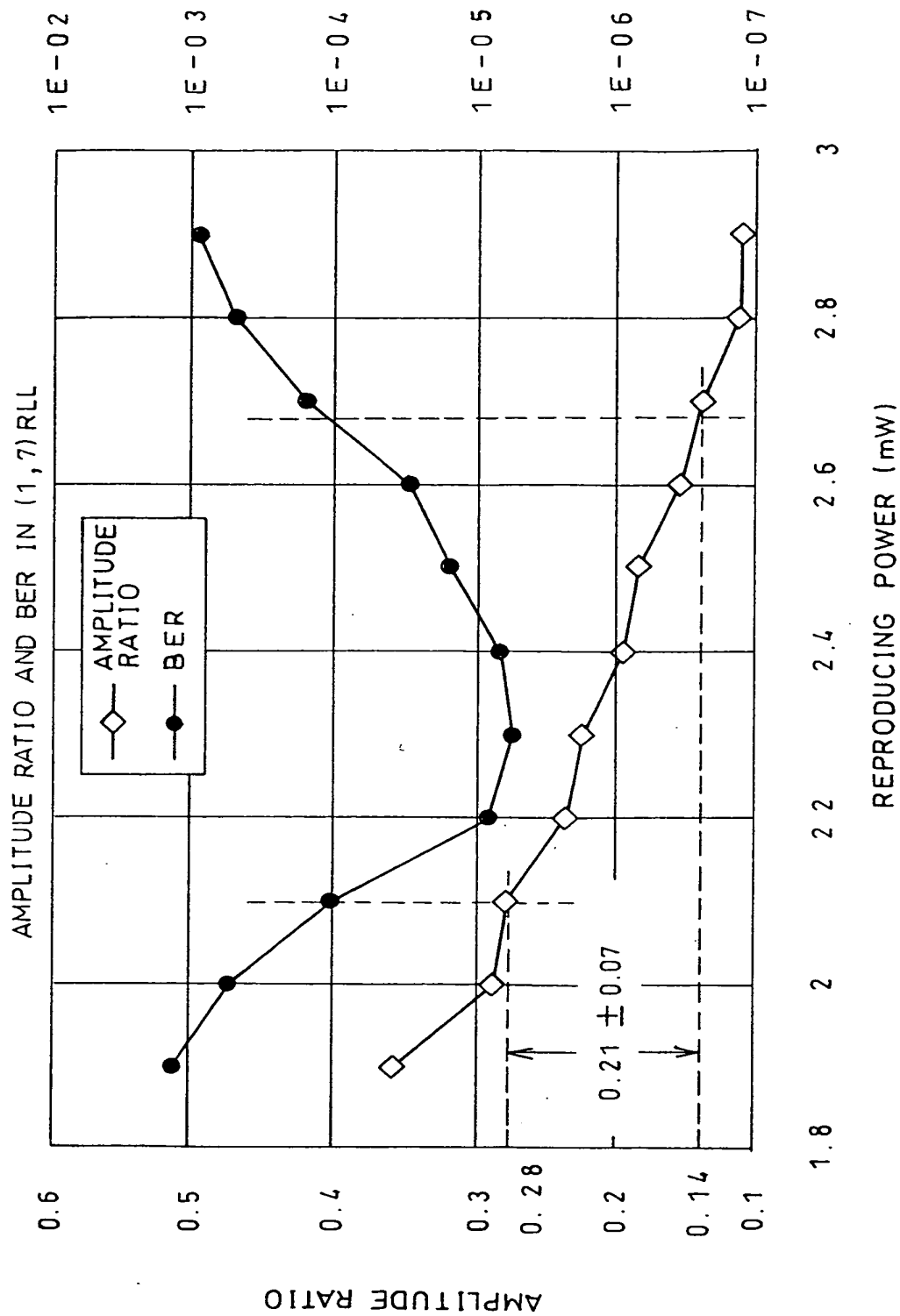


FIG.13

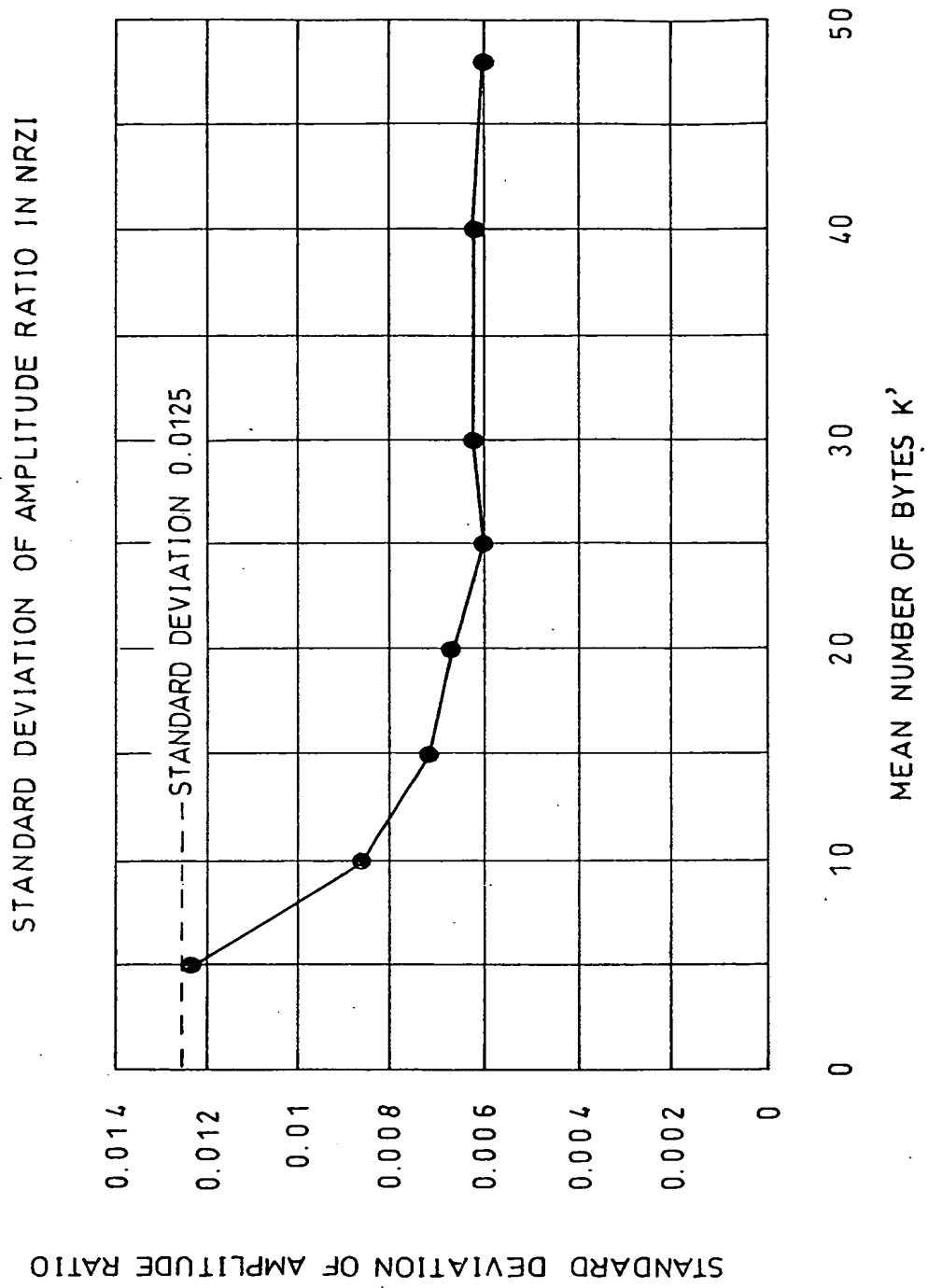


FIG.14

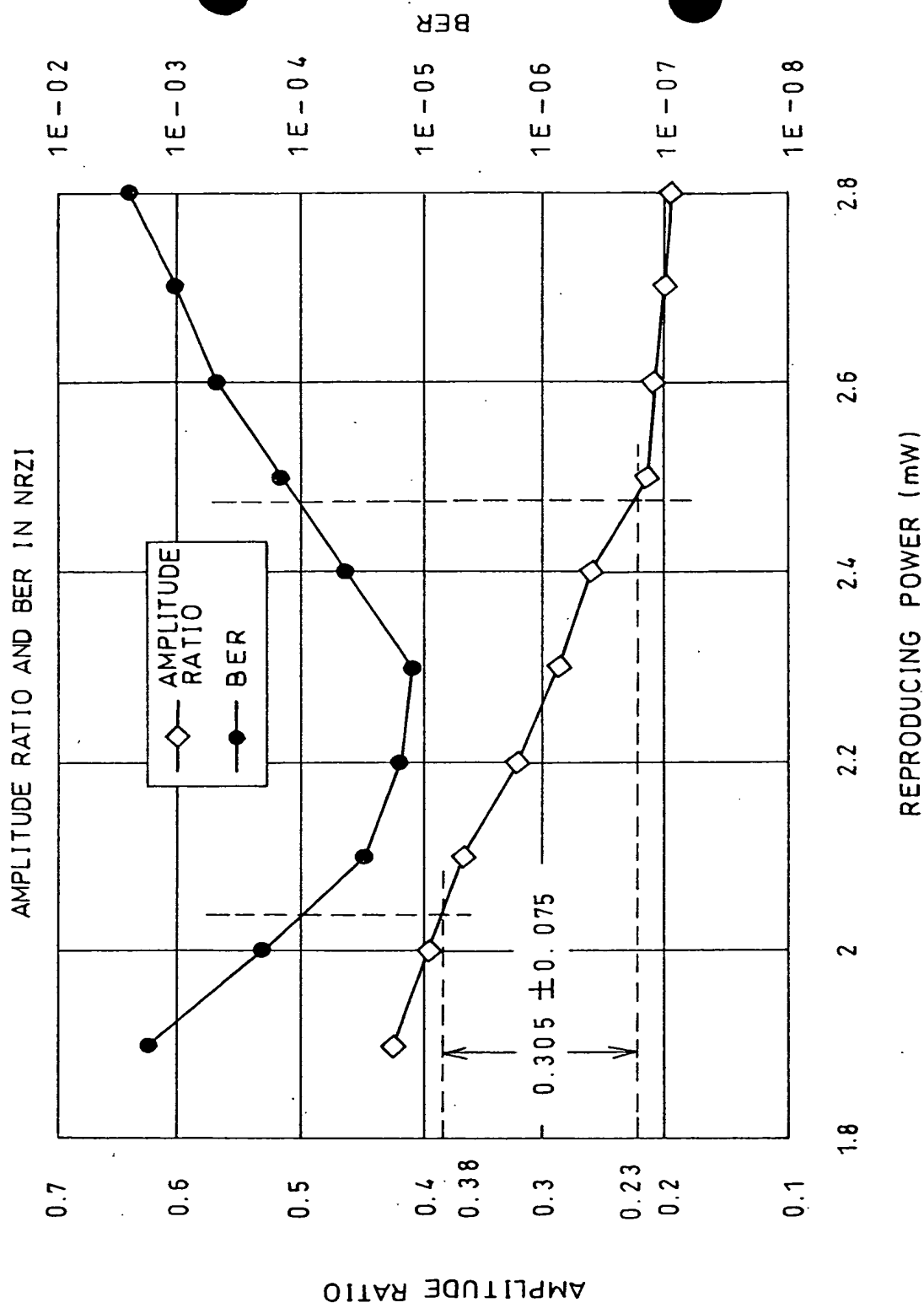


FIG. 15

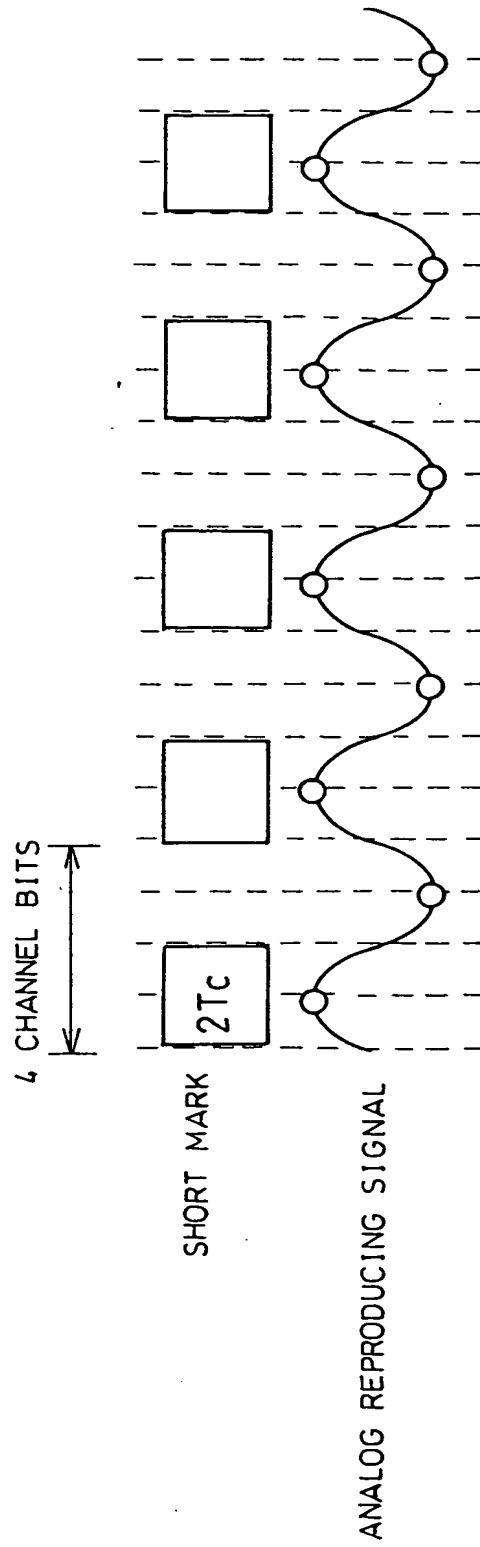


FIG.16

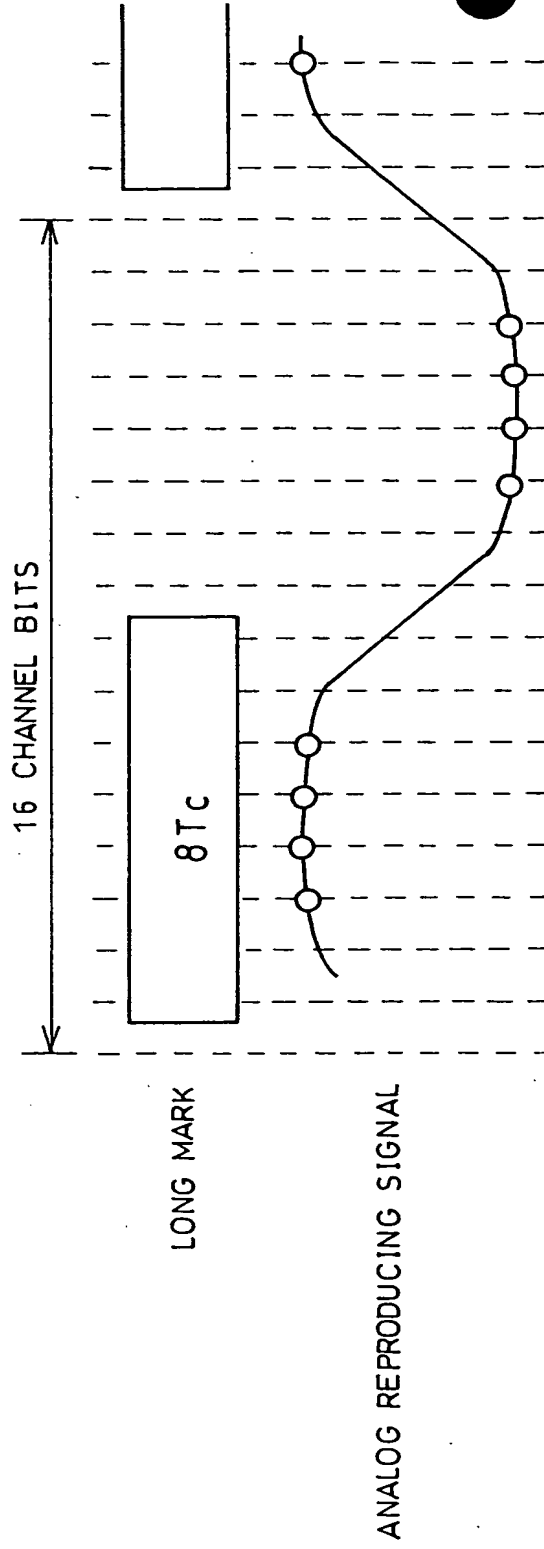


FIG.17

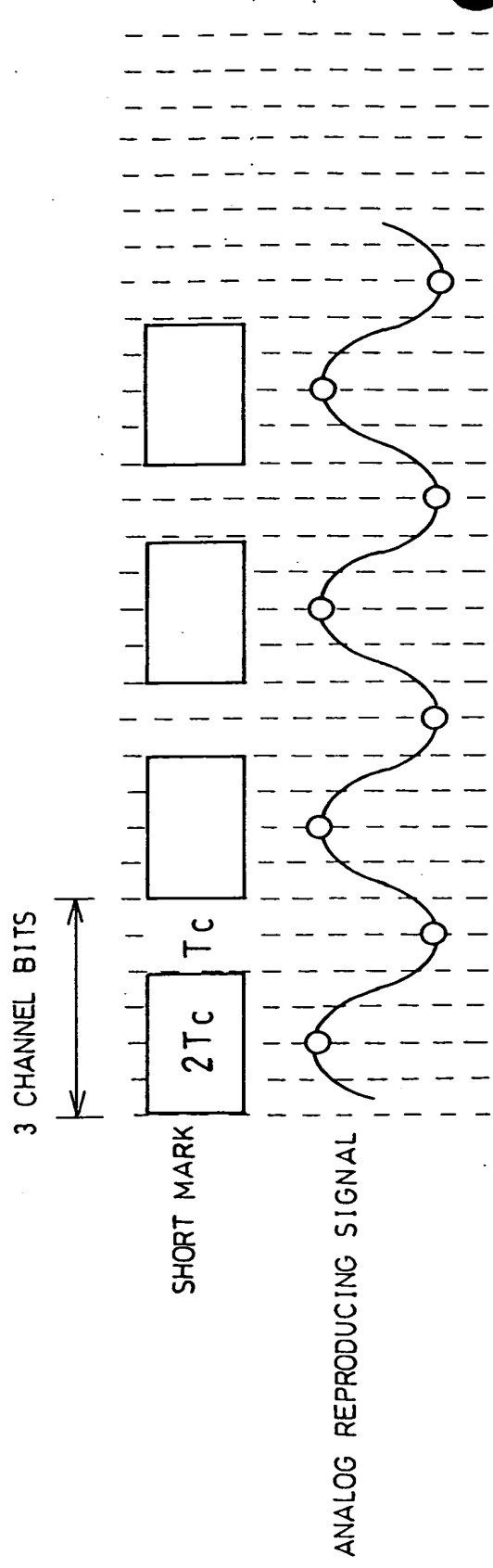


FIG.18

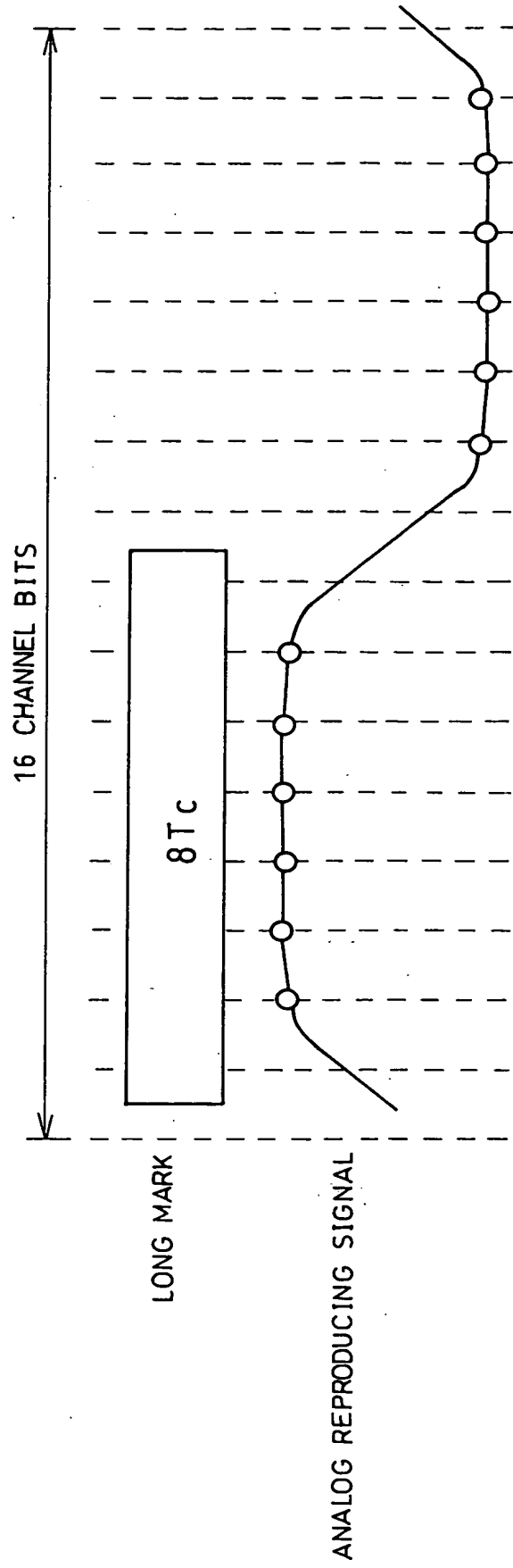


FIG. 19

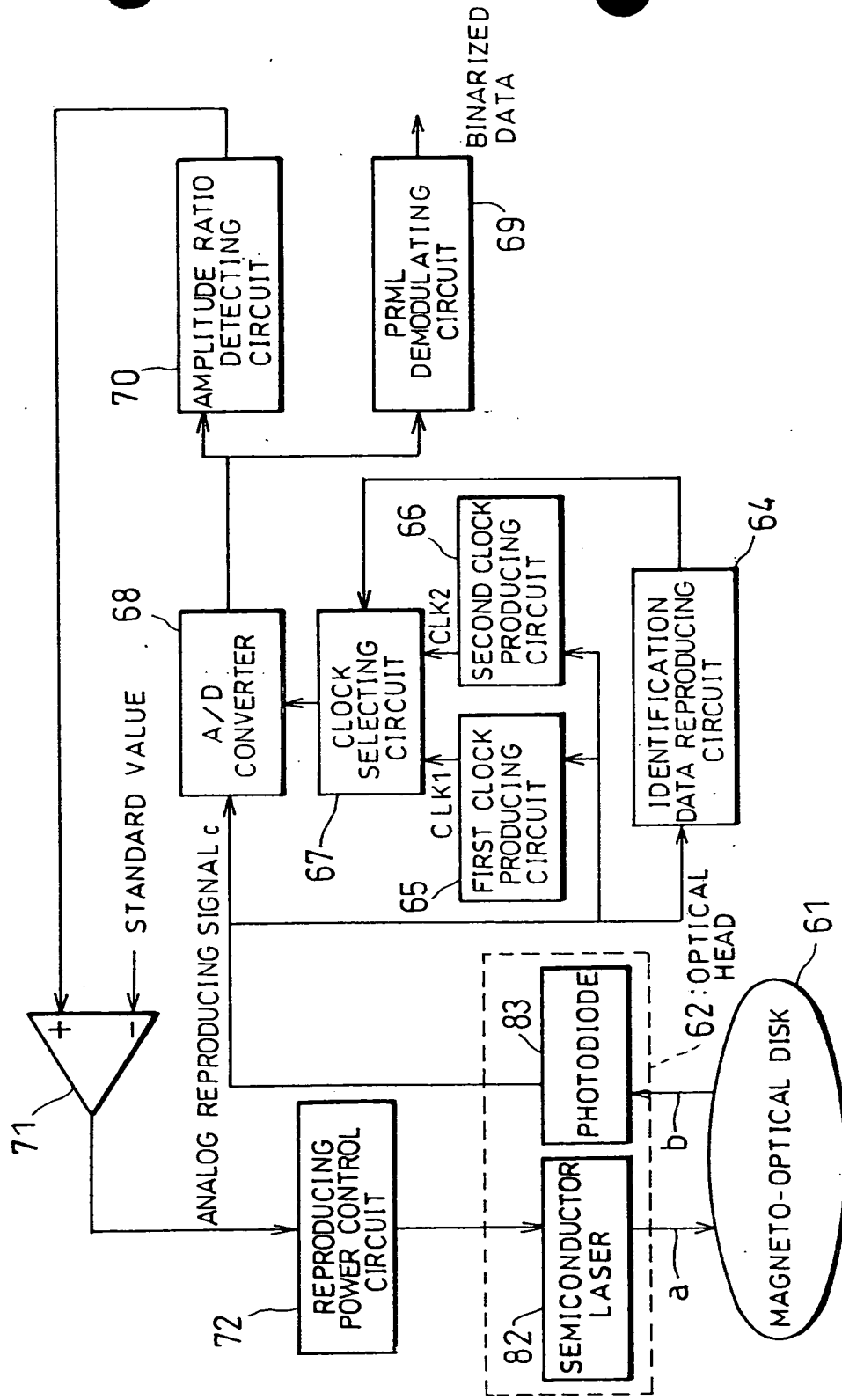


FIG. 20

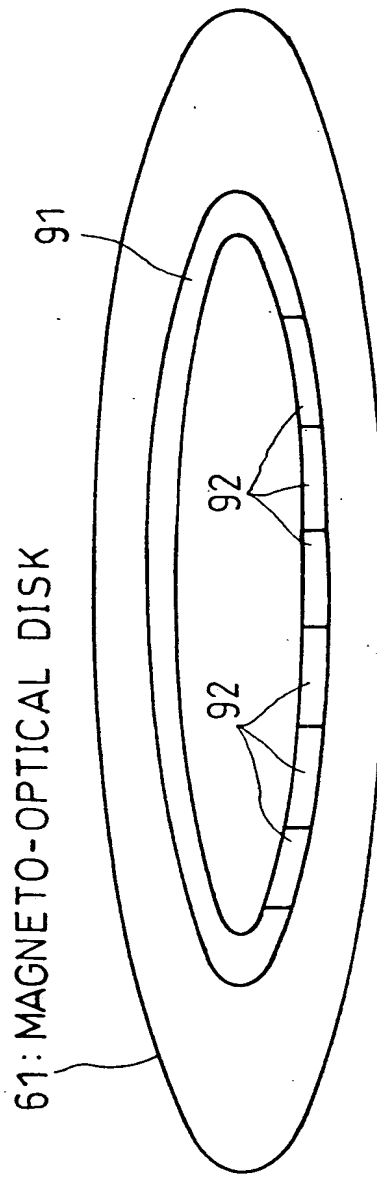


FIG. 21

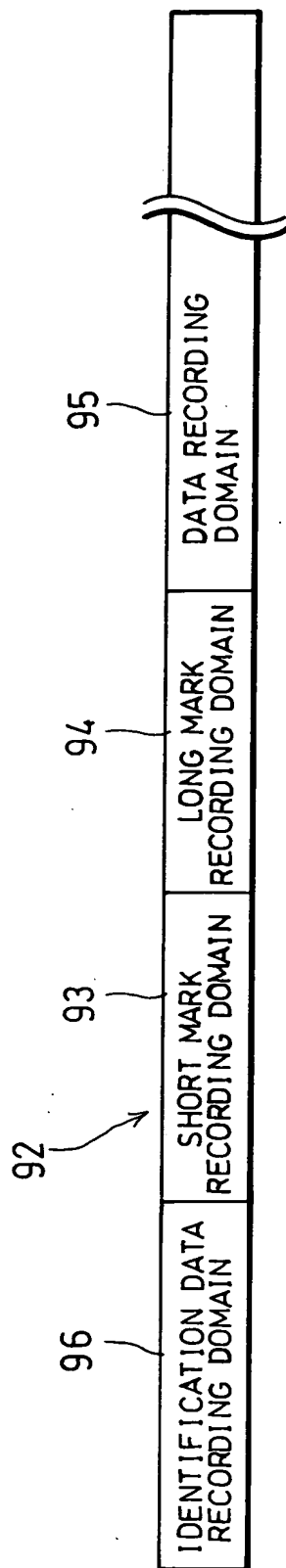


FIG. 22

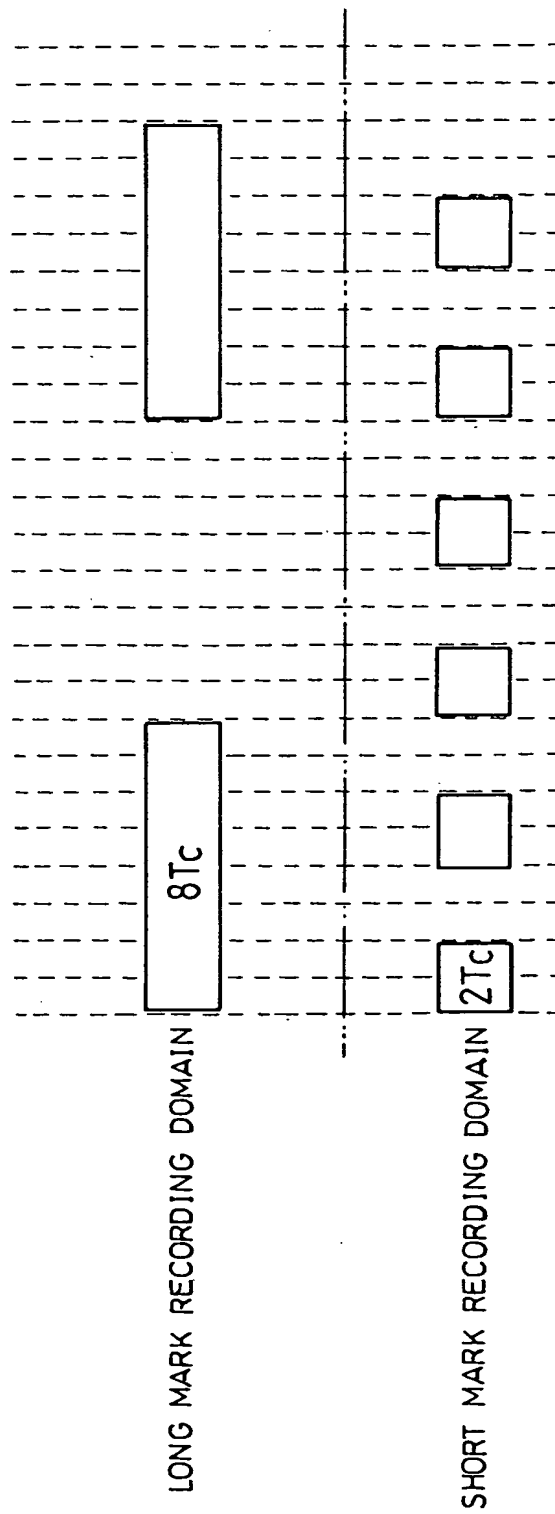


FIG. 23

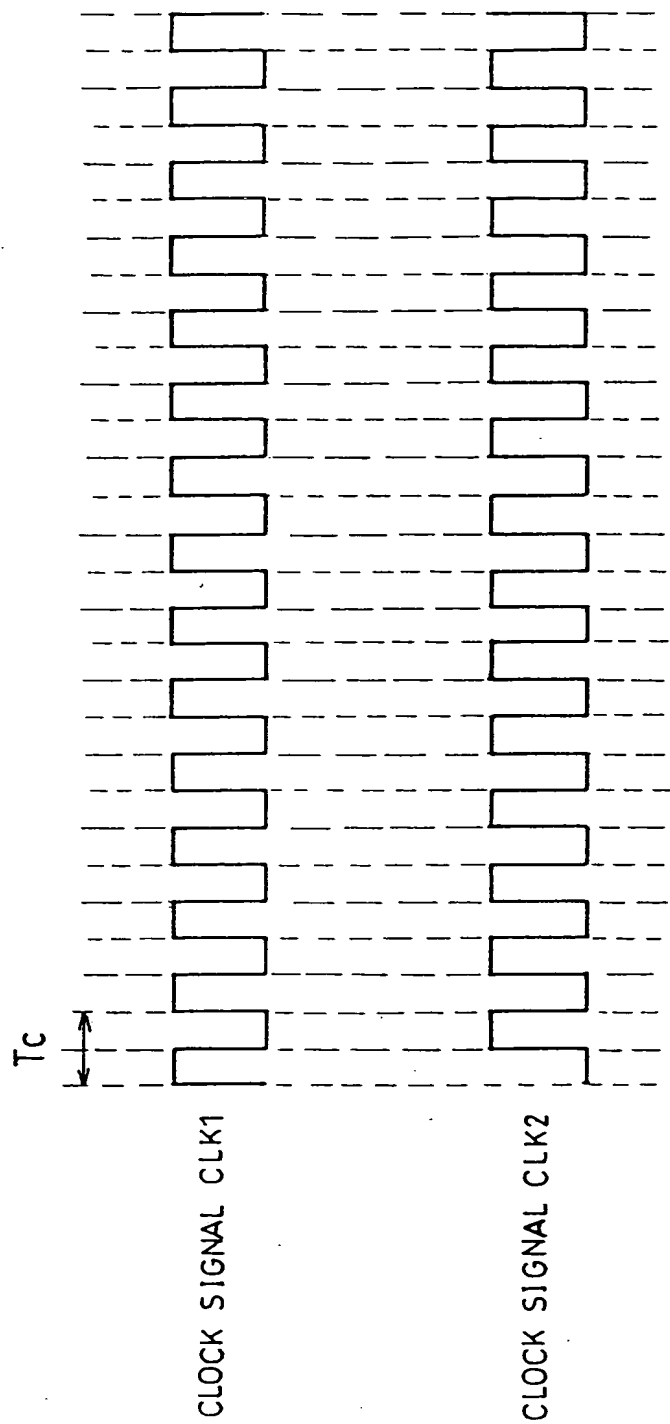


FIG. 24

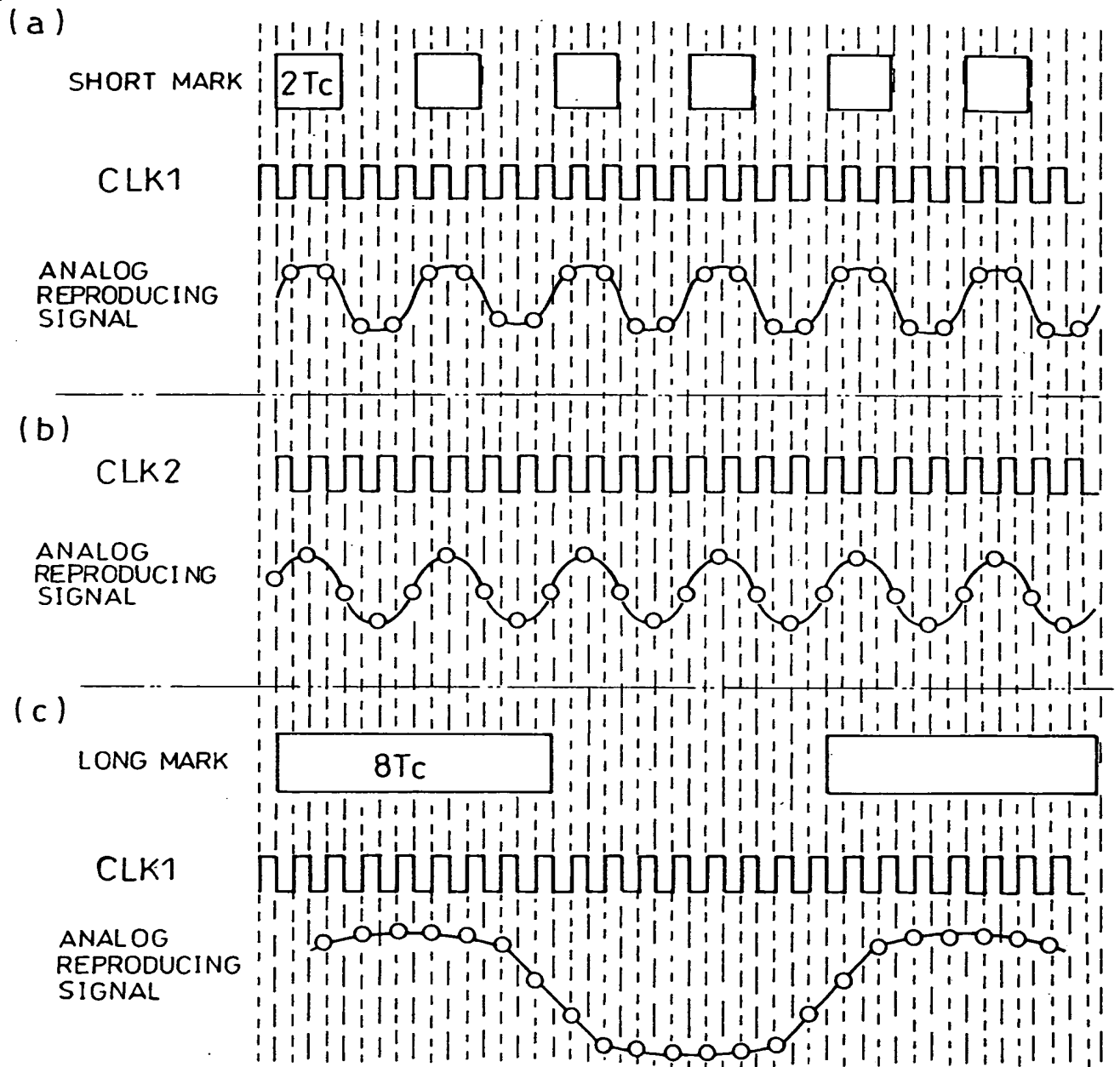


FIG. 24

FIG. 25

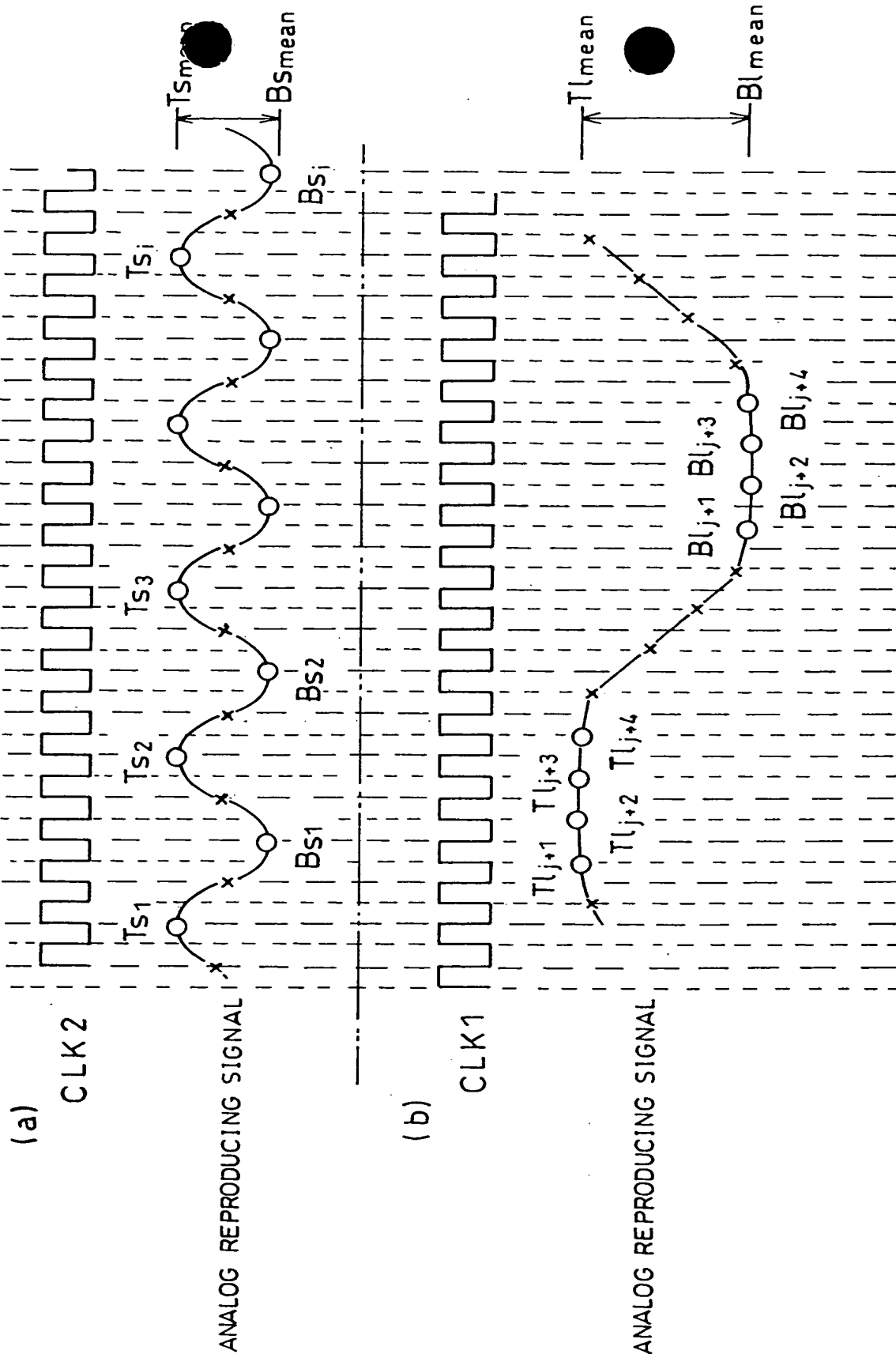


FIG. 26

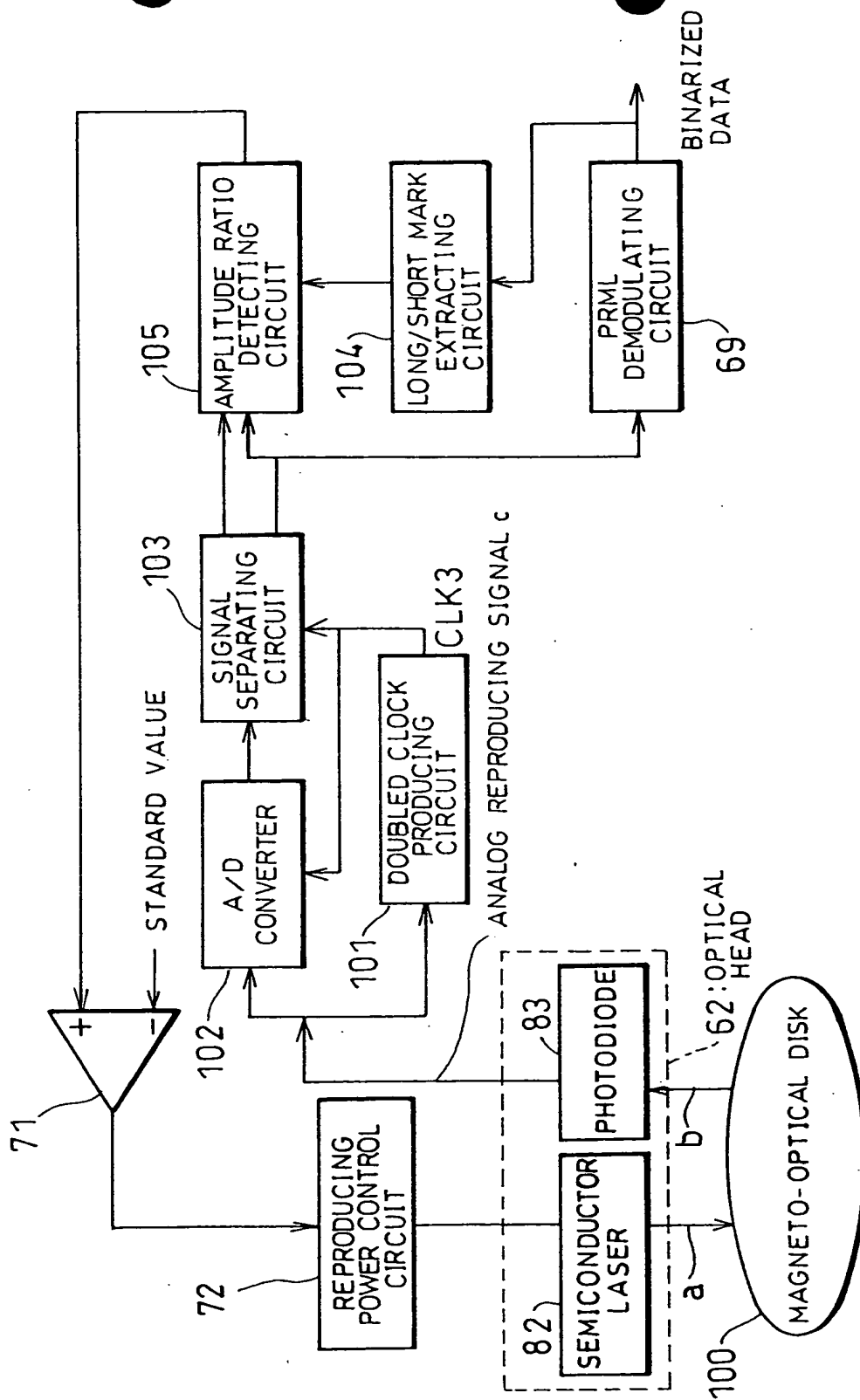


FIG. 27

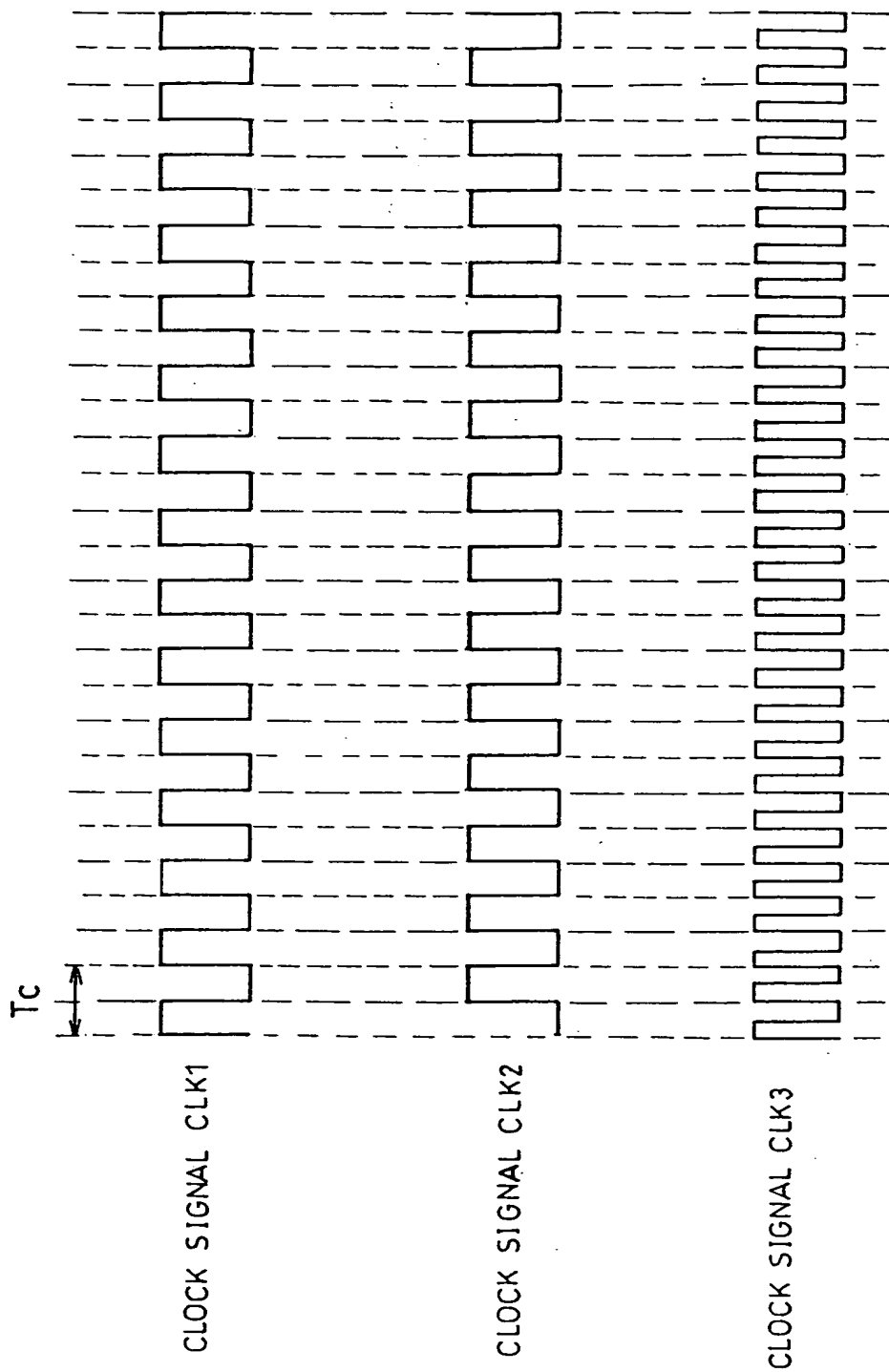
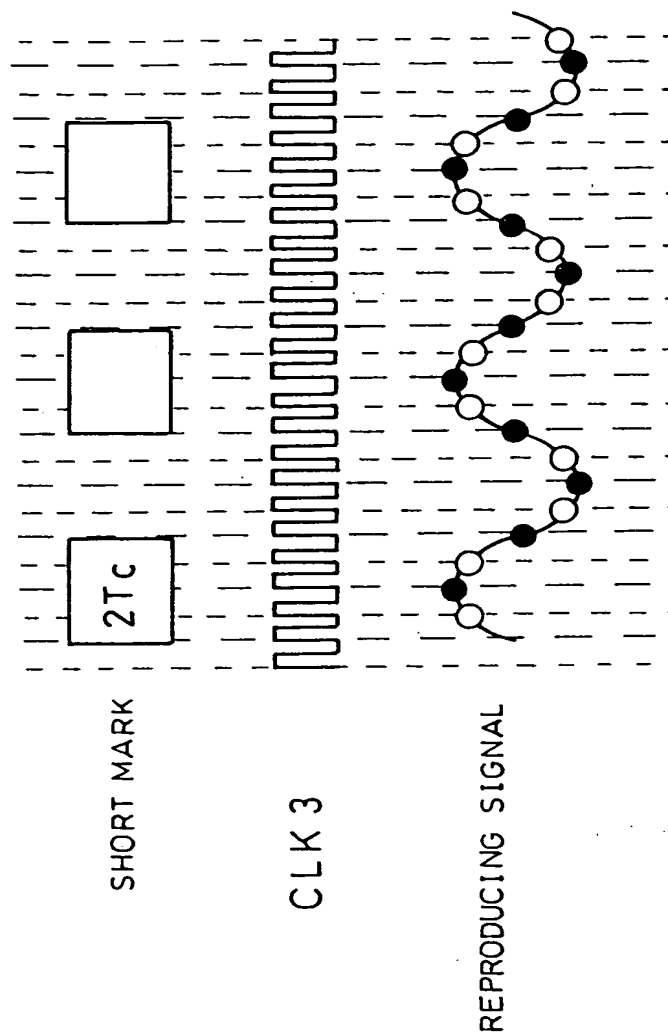


FIG. 28



O : PRML DETECTION SAMPLING POINT

● : PEAK DETECTION SAMPLING MARK FOR 2Tc MARK

FIG. 29

BINARIZED DATA 0 1 1 0 0 0 0 1 1 1 0 0 1 1 1 1 1 1 1 1 1 0 0 0

DIGITAL DATA

2Tc

8Tc

CLK 3

ANALOG REPRODUCING SIGNAL

Ts_i

Tl_{j+1} Tl_{j+3}

Tl_{j+2} Tl_{j+4}

Bs_i

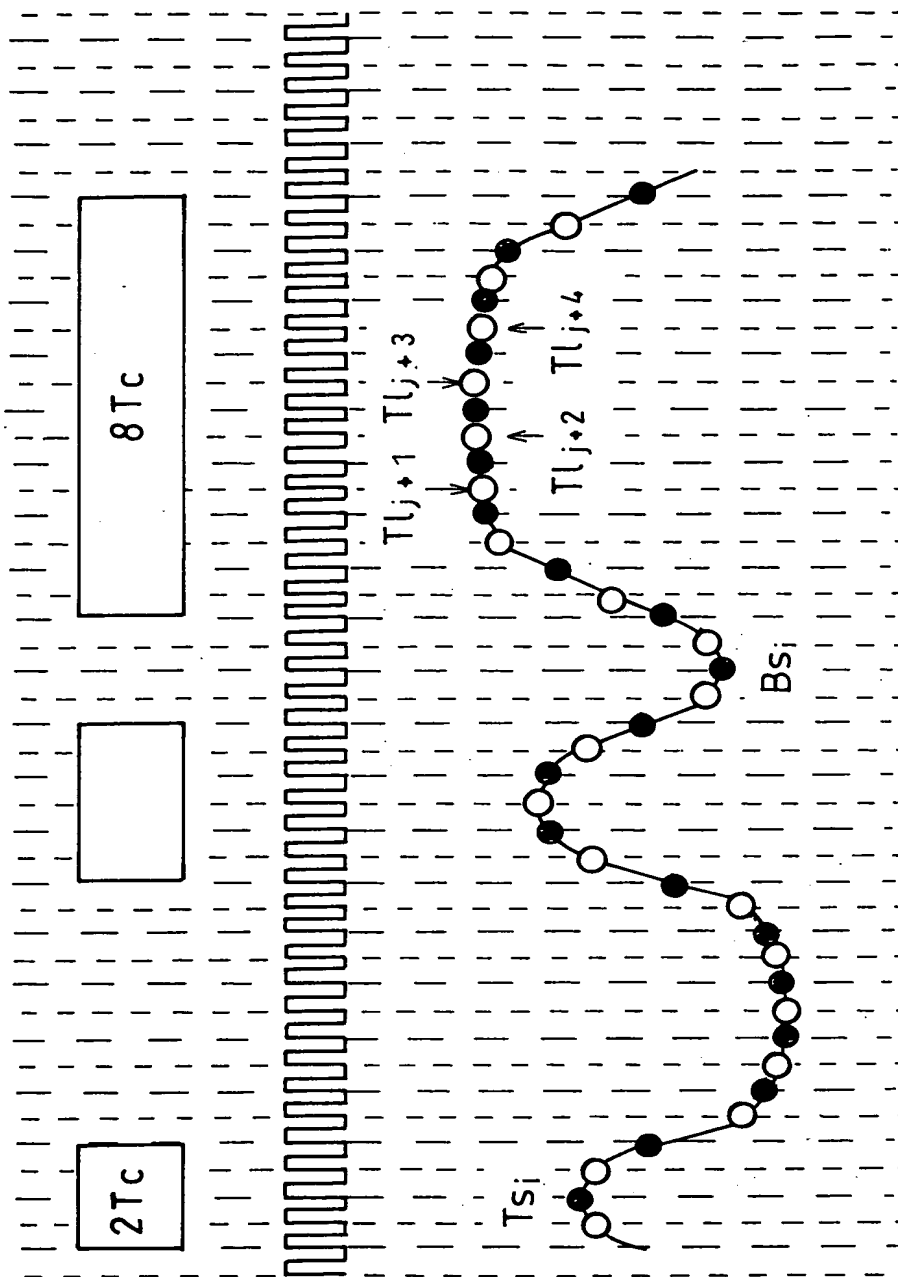


FIG. 30

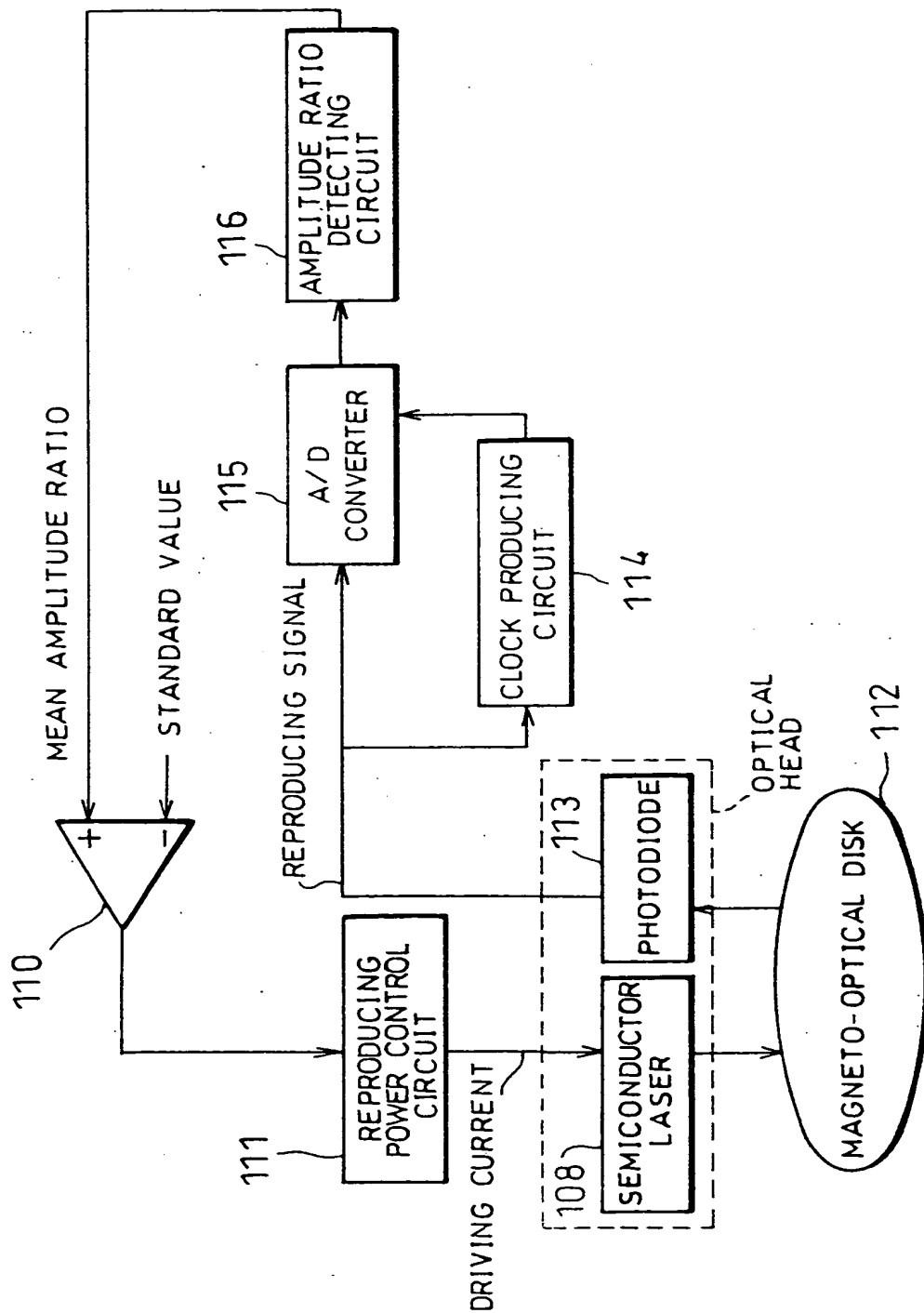


FIG. 31

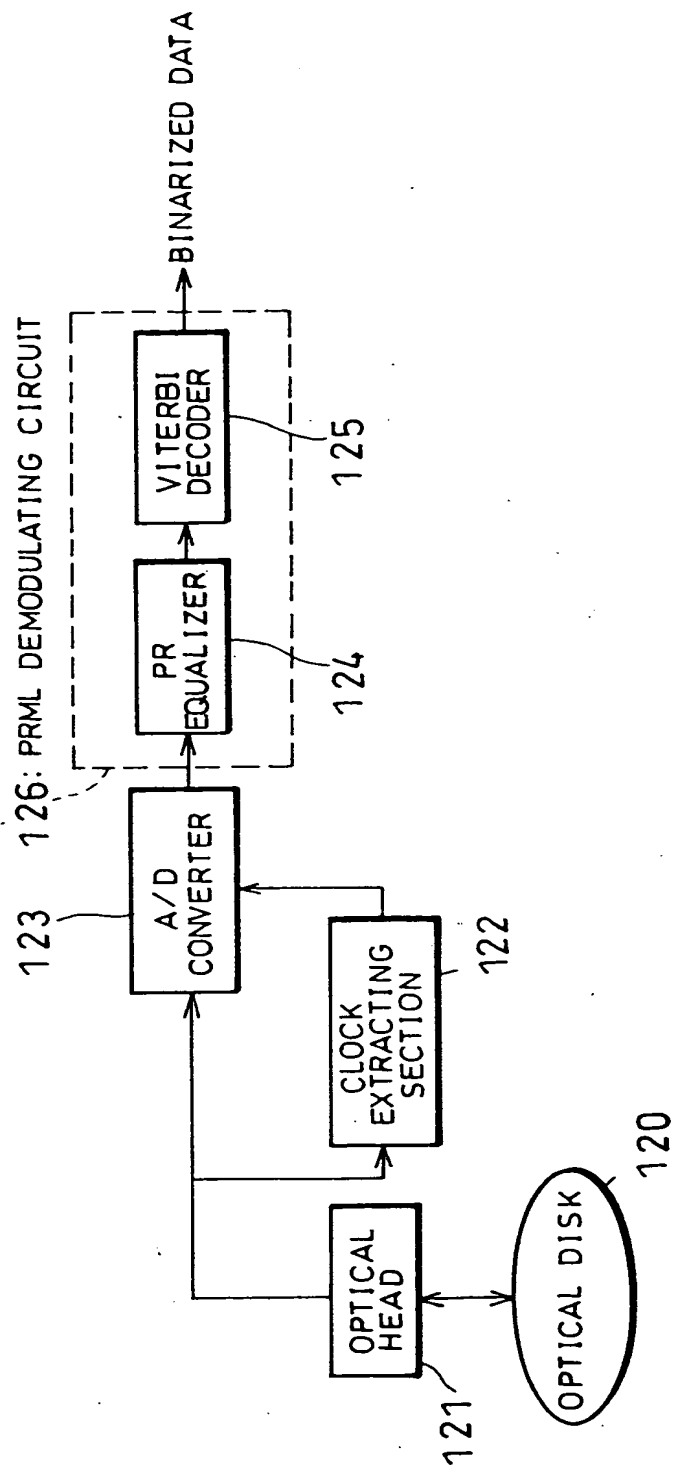
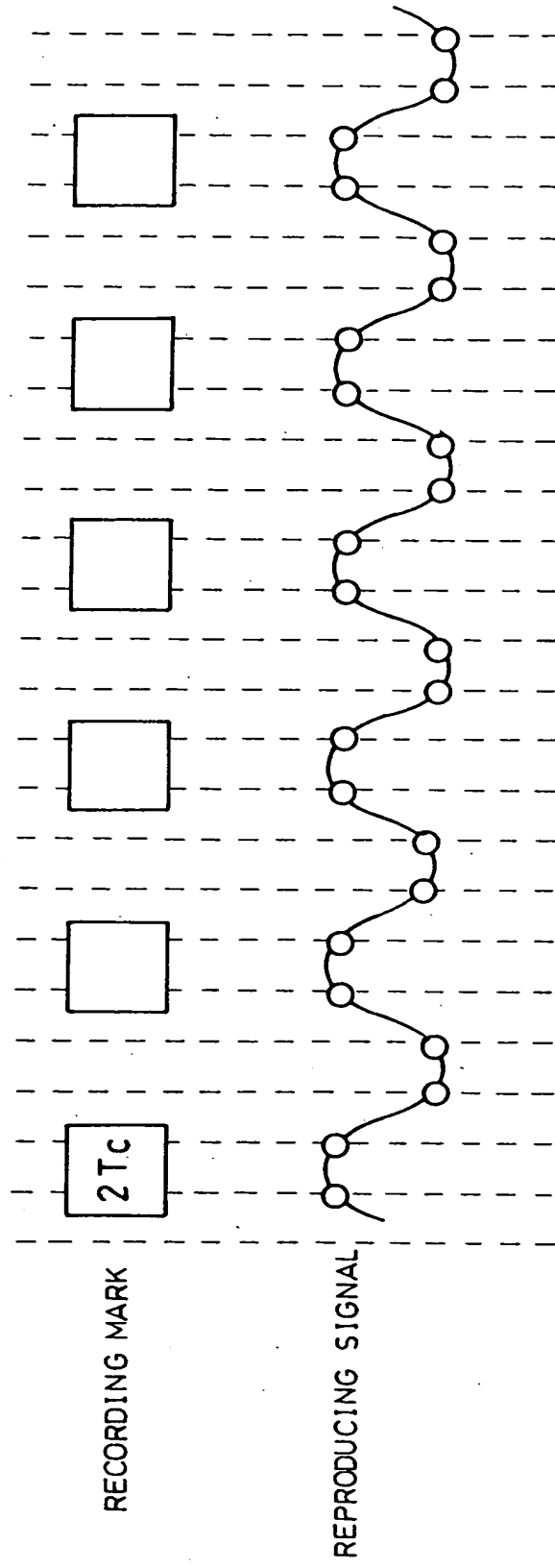


FIG. 32



O : SAMPLING POINT IN PR(1,2,1)ML DETECTION

TOP SECRET

FIG. 33

RECORDED MARK
 $1T_c$ IN LENGTH

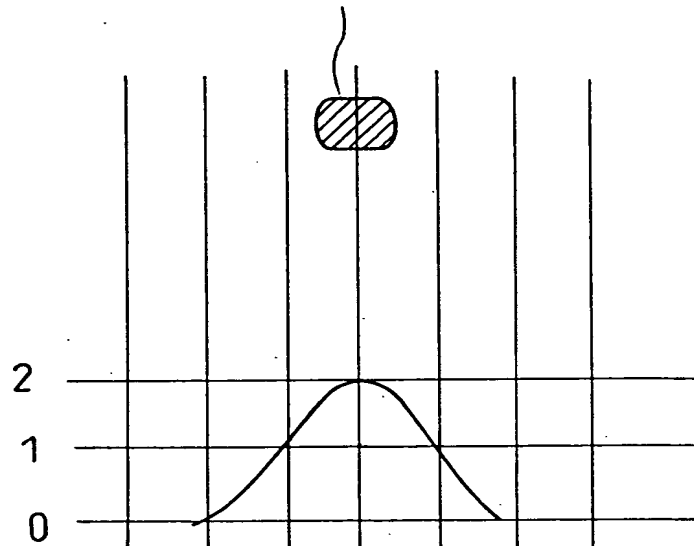


FIG. 34

RECORDED MARK $2T_c$ IN LENGTH

